AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on line 15, page 6 as follows:

Figure 6 depicts several target cleavage sites in IRF2 (SEQ ID NO: 1), YY1 (SEQ ID NO: 2), IL-10 (SEQ ID NO: 3) and Cox2 (SEQ ID NO: 4) mRNA. The symbol "Γ" depicts the starting methionine. The double sided arrows with solid lines (" ◄──► ") depict complementary sequence for the hammerhead ribozyme. The double sided arrows with broken lines (" ◄----► ") depict complementary sequence of the hairpin ribozyme. The boxed sequences are target sequences for a chosen ribozyme. Sequence in bold are target sequences for hammerhead ribozyme and sequences in bold and underlined are target sequences for both hammerhead and hairpin ribozymes.

Please amend the paragraph beginning on line 6, page 25 as follows:

Ad2 Stuffer (nts. 1051-10584): (SEQ. ID. NO. 5)
5'CCATGGTCGGGACGCTCTGGCCGGTGAGGCGTGCGCAGTCGTTGACGCTCTGGA-3'

Please amend the paragraph beginning on line 10, page 25 as follows:

Ad2 VA1RNA promoter [(-70/+30) (nts. 10585-10682)]: (SEQ. ID. NO. 6)
5'CCGTGCAAAAGGAGAGCCTGTAAGCGGGCACTCTTCCGTGGTCTGGTGGATAAAT
TCGCAAGGGTATCATGGCGGACGACCGGGGTTCGAACCCCGGA-3'

Please amend the paragraph beginning on line 15, page 25 as follows:

Rhinovirus 1A 3C Protease (nts. 447-457): (SEQ. ID. NO. 7)
5'CCTAAAACCAAAGTACCTGAAAGAAGAGTAGTTGCTCAAGGTCCAGAAGAAGAAT
TTGGAAGGTCAATTCTCAAAAACAATACTTGTGTGATTACTACAGG-3'

Please amend the paragraph beginning on line 20, page 25 as follows:

Stem: (SEQ. ID. NO. 8)

5'-CCCCCCCCCC-3'

Please amend the paragraph beginning on line 23, page 25 as follows:

<u>Rhinovirus 1A 3C Protease (nts. 447-457) ANTISENSE</u>: (SEQ. ID. NO. <u>9</u>)
5'CCTGTAGTAATCACACAAGTATTGTTTTTGAGAATTGACCTTCCAAATTCTTCTTCT
GGACCTTGAGCAACTACTCTTCTTTCAGGTACTTTGGTTTTAGG-3'

Please amend the paragraph beginning on line 28, page 25 as follows:

<u>RNA polymerase III termination sequence</u>: (SEQ. ID. NO. <u>10</u>)
5'-GCGCTTTTTGCGC-3'

Please amend the paragraph beginning on line 20, page 26 as follows:

<u>Ad2VA 1F</u>: (SEQ. ID. NO. <u>11</u>)
5'AGATCTCCATGGTCGGGACGCTCTGGCCGGTGAGGCGTGCGCAGTCGTTGACGCT
CTGGACCGTGCAAAAGGAGAGCC-3'

Please amend the paragraph beginning on line 24, page 26 as follows:

<u>Ad2VA 1R</u>: (SEQ. ID. NO. <u>12</u>)
5'CCCTTGCGAATTTATCCACCAGACCACGGAAGAGTGCCCGCTTACAGGCTCTCCTT
TT-3'

Please amend the paragraph beginning on line 28, page 26 as follows:

<u>Ad2VA 2F</u>: (SEQ. ID. NO. <u>13</u>)
5'AATTCGCAAGGGTATCATGGCGGACGACCGGGGTTCGAACCCCGGATCTAGACCT
AAAACCAAAGTACCTGAAAGAAGA-3'

Please amend the paragraph beginning on line 1, page 27 as follows:

<u>Ad2VA 2R</u>: (SEQ. ID. NO. <u>14</u>)

5'TGAGAATTGACCTTCCAAATTCTTCTTCTGGACCTTGAGCAACTACTCTTCTTTCAG
G-3'

Please amend the paragraph beginning on line 5, page 27 as follows:

<u>Ad2VA 3F</u>: (SEQ. ID. NO. <u>15</u>)

5'GGTCAATTCTCAAAAACAATACTTGTGTGATTACTACAGGCCCCCCCCCCCCTGTA
GTAATCACACAAGTATTGTTTTT-3'

Please amend the paragraph beginning on line 9, page 27 as follows:

<u>Ad2VA 3R</u>: (SEQ. ID. NO. <u>16</u>)

5'AGTAGTTGCTCAAGGTCCAGAAGAAGAATTTGGAAGGTCAATTCTCAAAAACAAT
ACT-3'

Please amend the paragraph beginning on line 13, page 27 as follows:

<u>Ad2VA 4F</u>: (SEQ. ID. NO. <u>17</u>)

5'TGAGCAACTACTCTTCTTTCAGGTACTTTGGTTTTAGGGAATTCGCGCTTTTTGCGC
TCCGGAAGATCT-3'

Please amend the paragraph beginning on line 16, page 27 as follows:

<u>Ad2VA 4R</u>: (SEQ. ID. NO. <u>18</u>)

5'-AGATCTTCCGGAGCGCAAAAAG-3'

Please amend the paragraph beginning on line 6, page 28 as follows:

<u>Ad2 PCR 1F</u>: (SEQ. ID. NO. <u>19</u>)

5'-CCCTTCCCAGATCTCCATGGTCGGGACG-3'

Please amend the paragraph beginning on line 9, page 28 as follows:

<u>Ad2 PCR 1R</u>: (SEQ. ID. NO. <u>20</u>)

5'-TTTCCTTTAGATCTTCCGGAGCGCAAAAAG-3'

Please amend the paragraph beginning on line 14, page 32 as follows:

<u>BAXαfwd (SEQ ID NO: 21)</u>

5'ATATATGAATTCGGTGATGGACGGGTCCGGGGAGCAG

Please amend the paragraph beginning on line 16, page 32 as follows:

<u>BAXαrev (SEQ ID NO: 22)</u>

5'TATATAGAATTCTCAGCCCATCTTCTTCCAGATGGTG

Please amend the paragraph beginning on line 28, page 33 as follows:

<u>Ad2 Stuffer (nts. 1051-10584): (SEQ ID NO: 23)</u>

5'CCATGGTCGGGACGCTCTGGCCGGTGAGGCGTGCGCAGTCGTTGACGCTCTGGA-3'

Please amend the paragraph beginning on line 1, page 34 as follows:

<u>Ad2 VA1RNA promoter [(-70/+30) (nts. 10585-10682)]: (SEQ ID NO: 24)</u>

5'CCGTGCAAAAGGAGAGCCTGTAAGCGGGCACTCTTCCGTGGTCTGGTGGATAAAT

TCGCAAGGGTATCATGGCGGACGACCGGGGTTCGAACCCCGGA-3'

Please amend the paragraph beginning on line 7, page 34 as follows:

Human Bcl-2 coding sequence comprising nucleotides 4-44 (SEQ ID NO: 25)

5'GCGCACGCTGGGAGAACGGGGTACGACAACCGGGAGATAGT

Please amend the paragraph beginning on line 10, page 34 as follows:

RNA polymerase III termination sequence: (SEQ ID NO: 26)

5'-GCGCTTTTTGCGC-3'

Please amend the paragraph beginning on line 18, page 34 as follows:

Ad2VAbcl 1F: (SEQ ID NO: 27)

5'GAATTCCATGGTCGGGACGCTCTGGCCGGTGAGGCGTGCGCAGTCGTTGACGCTCT

GGACCGTGCAAAAGGAGAGCC-3'

Please amend the paragraph beginning on line 22, page 34 as follows:

Ad2VAbcl 1R: (SEQ ID NO: 28)

5'CCCTTGCGAATTTATCCACCAGACCACGGAAGAGTGCCCGCTTACAGGCTCTCCTT

TT-3'

Please amend the paragraph beginning on line 26, page 34 as follows:

Ad2VAbcl 2F: (SEQ ID NO: 29)

5'AATTCGCAAGGGTATCATGGCGGACGACCGGGGTTCGAACCCCGGAACTATCTCC

CGGTTGTCGTACCCCGTTC-3'

Please amend the paragraph beginning on line 30, page 34 as follows:

Ad2VAbcl 2R: (SEQ ID NO: 30)

5'GAATTCGCGCAAAAAGCGCGCGCACGCTGGGAGAACGGGGTACGA-3'

Please amend the paragraph beginning on line 13, page 35 as follows:

AdVA PCR 1F: (SEQ ID NO: 31)

5'-ATATATAGAATTCCATGGTCGGGACGC

Please amend the paragraph beginning on line 16, page 35 as follows:

AdVA PCR 1R: (SEQ ID NO: 32)

5'-ATATATGAATTCGCGCAAAAAGCGC

Please amend the paragraph beginning on line 11, page 36 as follows:

Ad2VAbcl 3F (SEQ ID NO: 33)

5'AATTCGCAAGGGTATCATGGCGGACGACCGGGGTTCGAACCCCGGAGCGCACGCT
GGGAGAACGGGGTACGACA-3'

Please amend the paragraph beginning on line 15, page 36 as follows:

Ad2VAbcl 3R (SEQ ID NO: 34)

5'GAATTCGCGCAAAAAGCGCACTATCTCCCGGTTGTCGTACCCCGT-3'

Please amend the paragraph beginning on line 7, page 39 as follows:

Ad2 Stuffer (nts. 1051-10584): (SEQ ID NO: 35)

5'CCATGGTCGGGACGCTCTGGCCGGTGAGGCGTGCGCAGTCGTTGACGCTCTGGA-3'

Please amend the paragraph beginning on line 11, page 39 as follows:

Ad2 VA1RNA promoter [(-70/+30) (nts. 10585-10682)]: (SEQ ID NO: 36)

5'CCGTGCAAAAGGAGAGCCTGTAAGCGGGCACTCTTCCGTGGTCTGGTGGATAAAT
TCGCAAGGGTATCATGGCGGACGACCGGGGTTCGAACCCCGGA-3'

Please amend the paragraph beginning on line 16, page 39 as follows:

IRF2 specific ribozyme (SEQ ID NO: 37)

5'CTCAGTGTGCTTTTTTCACGC**CTGATGAGGCCGTGAGGCCGAAAC**CAATACAAT
TCCGCAAGG-3'

Please amend the paragraph beginning on line 20, page 39 as follows:

RNA polymerase III termination sequence: (SEQ ID NO: 38)
5'-GCGCTTTTTGCGC-3'

Please amend the paragraph beginning on line 28, page 39 as follows:

VAIRF2-1F: (SEQ ID NO: 39)
5'CACACACTTAATTAACCATGGTCGGGACGCTCTGGCCGGTGAGGCGTGCGCAGTC
G-3'

Please amend the paragraph beginning on line 1, page 40 as follows:

VAIRF2-1R: (SEQ ID NO: 40)
5'CCGCTTACAGGCTCTCCTTTTGCACGGTCCAGAGCGTCAACGACTGCGCACGCCT-
3'

Please amend the paragraph beginning on line 5, page 40 as follows:

VAIRF2-2F: (SEQ ID NO: 41)

5'AGAGCCTGTAAGCGGGCACTCTTCCGTGGTCTGGTGGATAAATTCGCAAGGGTAT -
3'

Please amend the paragraph beginning on line 9, page 40 as follows:

VAIRF2-2R: (SEQ ID NO: 42)

5'CACACTGAGTCCGGGGTTCGAACCCCGGTCGTCCGCCATGATACCCTTGCGAATT-
3'

Please amend the paragraph beginning on line 13, page 40 as follows:

VAIRF2-3F: (SEQ ID NO: 43)

5'CCCGGACTCAGTGTGCTTTTTTCACGC**CTGATGAGGCCGTGAGGCCGAAAC**CAA
T-3'

Please amend the paragraph beginning on line 17, page 40 as follows:

VAIRF2-3R: (SEQ ID NO: 44)

5'GTGTGTTTAATTAAGCGCAAAAAGCGCCCTTGCGGAATTGTATTGGTTTCGGCCTC-
3'

Please amend the paragraph beginning on line 6, page 43 as follows:

Ad2 Stuffer (nts. 1051-10584): (SEQ ID NO: 45)

5'CCATGGTCGGGACGCTCTGGCCGGTGAGGCGTGCGCAGTCGTTGACGCTCTGGA-3'

Please amend the paragraph beginning on line 10, page 43 as follows:

Ad2 VA1RNA promoter [(-70/+30) (nts. 10585-10682)]: (SEQ ID NO: 46)

5'CCGTGCAAAAGGAGAGCCTGTAAGCGGGCACTCTTCCGTGGTCTGGTGGATAAAT

TCGCAAGGGTATCATGGCGGACGACCGGGGTTCGAACCCCGGA-3'

Please amend the paragraph beginning on line 15, page 43 as follows:

COX2 specific ribozyme (SEQ ID NO: 47)

5'GCAAGGATTTGCTGTATGGCTGAGCGCCAGA**GAAGCGCACCAGAGAAACACACG**

TTGTGGTATATTACCTGGTA-3'

Please amend the paragraph beginning on line 19, page 43 as follows:

RNA polymerase III termination sequence: (SEQ ID NO: 48)
5'-GCGCTTTTTGCGC-3'

Please amend the paragraph beginning on line 26, page 43 as follows:

VACOX2-1F: (SEQ ID NO: 49)

5'CACACATTAATTAACCATGGTCGGGACGCTCTGGCCGGTGAGGCGTGCGCAGTCG

TT

Please amend the paragraph beginning on line 1, page 44 as follows:

VACOX2-1R: (SEQ ID NO: 50)

5'GTGCCCGCTTACAGGCTCTCCTTTTGCTCGGTCCAGAGCGTCAACGACTGCGCACG

C

Please amend the paragraph beginning on line 5, page 44 as follows:

VACOX2-2F: (SEQ ID NO: 51)

5'CCTGTAAGCGGGCACTCTTCCGTGGTCTGGTGGATAAATTCGCAAGGGTATCATGGC

Please amend the paragraph beginning on line 9, page 44 as follows:

VACOX2-2R: (SEQ ID NO: 52)

5'ATACAGCAAATCCTTGCTCCGGGGTTCGAACCCCGGTCGTCCGCCATGATACCCTTG

Please amend the paragraph beginning on line 13, page 44 as follows:

VACOX2-3F: (SEQ ID NO: 53)

5'AAGGATTTGCTGTATGGCTGAGCGCCAGAGAAGCGCACCAGAGAAACACACGTTGTG

Please amend the paragraph beginning on line 17, page 44 as follows:

VACOX2-3R: (SEQ ID NO: 54)

5'TGTGTGTTAATTAAGCGCAAAAAGCGCTACCAGGTAATATACCACAACGTGTGTTTC

Please amend the paragraph beginning on line 11, page 46 as follows:

VAYY1-1F: (SEQ ID NO: 55)

5'CACACACTTAATTAACCATGGTCGGGACGCTCTGGCCGGTGAGGCGTGCGCAGTC-3'

Please amend the paragraph beginning on line 15, page 46 as follows:

<u>VAIYY1-1R</u>: (SEQ ID NO: 56)

5'CGCTTACAGGCTCTCCTTTTGCACGGTCCAGAGCGTCAACGACTGCGCACGCCTC-3'

Please amend the paragraph beginning on line 19, page 46 as follows:

<u>VAIYY1-2F</u>: (SEQ ID NO: 57)

5'GAGAGCCTGTAAGCGGGCACTCTTCCGTGGTCTGGTGGATAAATTCGCAAGGGTA-3'

Please amend the paragraph beginning on line 23, page 46 as follows:

<u>VAIYY1-2R</u>: (SEQ ID NO: 58)

5'CTACATCGTCCGGGGTTCGAACCCCGGTCGTCCGCCATGATACCCTTGCGAATTT-3'

Please amend the paragraph beginning on line 27, page 46 as follows:

<u>VAIYY1-3F</u>: (SEQ ID NO: 59)

5'CCCCGGACGATGTAGAGGGTGTCGCCC**CTGATGAGGCCGTGAGGCCGAAAGGC**CA-3'

Please amend the paragraph beginning on line 1, page 47 as follows:

<u>VAIRF2-3R</u>: (SEQ ID NO: 60)

5'GTGTGTTTAATTAAGCGCAAAAAGCGCGAGCCCTCAGCCATGGCCTTTCGGCCTC

Please amend the paragraph beginning on line 16, page 48 as follows:

<u>VAIL10-1F</u>: <u>(SEQ ID NO: 61)</u>

5'CACACATTAATTAACCATGGTCGGGACGCTCTGGCCGGTGAGGCGTGCGCAGTCG
TTG-3'

Please amend the paragraph beginning on line 20, page 48 as follows:

<u>VAIL10-1R</u>: <u>(SEQ ID NO: 62)</u>

5'AGTGCCCGCTTACAGGCTCTCCTTTTGCACGGTCCAGAGCGTCAACGACTGCGCAC
G-3'

Please amend the paragraph beginning on line 24, page 48 as follows:

<u>VAIL10-2F</u>: <u>(SEQ ID NO: 63)</u>

5'CTGTAAGCGGGCACTCTTCCGTGGTCTGGTGGATAAATTCGCAAGGGTATCATGGC
G-3'

Please amend the paragraph beginning on line 28, page 48 as follows:

<u>VAIL10-2R</u>: <u>(SEQ ID NO: 64)</u>

5'CCCACTTCCCAGGCAACCTCCGGGGTTCGAACCCCGGTCGTCCGCCATGATACCCT
T-3'

Please amend the paragraph beginning on line 1, page 49 as follows:

<u>VAIL10-3F</u>: <u>(SEQ ID NO: 65)</u>

5'TGCCTGGGAAGTGGGTGCAGCTGTTCTCAAGAAGGGTACCAGAGAAACACGT
TGT-3'

Please amend the paragraph beginning on line 5, page 49 as follows:

VAIL10-3R: (SEQ ID NO: 66)

5'TGTGTGTTAATTAAGCGCAAAAAGCGC**TACCAGGTAATATACCACAACGTGTGT
TTCT**-3'

Please amend the paragraph beginning on line 6, page 50 as follows:

Her2neuFwd (SEQ ID NO: 67)

5'ATATATATCTAGACACCATGGAGCTGGCGGCCTTGT

Please amend the paragraph beginning on line 9, page 50 as follows:

Her2neuRev (SEQ ID NO: 68)

5'TATATAGCGGCCGCTCACACTGGCACGTCCAGACCCA

Please amend the paragraph beginning on line 22, page 50 as follows:

gp100Fwd (SEQ ID NO: 69)

5'ATATATATCTAGACACAATGGATCTGGTGCTAAAAAGATG

Please amend the paragraph beginning on line 25, page 50 as follows:

gp100Rev (SEQ ID NO: 70)

5'TATATAGCGGCCGCTCAGACCTGCTGCCCACTGAGGAG